

WHAT IS CLAIMED IS:

1. A digital camera having an electronic flash device using a light-emitting diode as a flash light source, comprising :
  - a storage device which stores correction information for correcting white
  - 5 balance of an image obtained by flash shooting using the electronic flash device, the storage device storing the correction information set based on a detection result of a color temperature of light actually emitted from the electronic flash device; and
  - a white balance correcting device which corrects white balance of the image obtained by flash shooting using the electronic flash device based on the correction
  - 10 information stored in the storage device.
  
2. A digital camera having an electronic flash device using a light-emitting diode as a flash light source, comprising :
  - a storage device which stores correction information for correcting white
  - balance of an image obtained by flash shooting,
  - 15 a white balance correcting device which corrects white balance of the image obtained by flash shooting based on the correction information stored in the storage device,
  - a modification information storage device which stores modification information for correcting the correction information stored in the storage device, the modification
  - 20 information storage device storing the modification information required to make the correction information stored in the storage device coincident with correction information set based on a detection result of a color temperature of light actually emitted from the electronic flash device,
  - a modifying device which modifies the correction information based on the
  - 25 modification information stored in the modification information storage device; and
  - the white balance correcting device corrects the white balance of the image obtained by flash shooting based on the correction information modified by the modifying device.
  
3. A digital camera having an electronic flash device using a light-emitting diode
- 30 as a flash light source, comprising :

a storage device which stores correction information for correcting white balance of an image obtained by flash shooting,

a white balance correcting device which corrects white balance of the image obtained by flash shooting based on the correction information stored in the storage device,

a temperature detecting device which detects an ambient temperature of the light-emitting diode,

a modification information storage device which stores modification information for modifying the correction information stored in the storage device, the modification information storage device storing the modification information of the correction information based on a change in an ambient temperature of the light-emitting diode,

a modifying device which modifies the correction information stored in the storage device based on a detection result of the temperature detecting device and the modification information stored in the modification information storage device; and

the white balance correcting device corrects white balance of the image obtained by flash shooting based on the correction information modified by the modifying device.

4. A digital camera having an electronic flash device using a light-emitting diode as a flash light source, comprising :

a storage device which stores correction information for correcting white balance of an image obtained by flash shooting,

a white balance correcting device which corrects white balance of an image obtained by flash shooting based on the correction information stored in the storage device,

a current detecting device which detects a value of current applied to the light-emitting diode,

a modification information storage device which stores modification information for the correction information based on a change in a value of current applied to the light-emitting diode, the modification information storage device storing the modification information for modifying the correction information stored in the storage device,

a modifying device which modifies the correction information stored in the storage device based on a detection result of the current detecting device and the modification information stored in the modification information storage device; and

- 5 the white balance correcting device corrects the white balance of the image obtained by flash shooting, based on the correction information modified by the modifying device.